

FORM PTO-149  
U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

APR 20 2001

ATTY DOCKET NO.  
TSRI 478.0

SERIAL NO.

09/710,653

APPLICANT  
Kent, et al

FILING DATE

21298 11-8-2000

GROUP

1654 1653

U.S. PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

A.M. INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES      NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

JR	1	Baca, et al., "Chemical Ligation of Cysteine-Containing Peptides: Synthesis of a 22 kDa Tethered Dimer of HIV-1 Protease", <u>J. Am. Chem. Soc.</u> 117: 1881-1887 (1995)
JR	2	Canne, et al., "Total Chemical Synthesis of a Unique Transcription Factor-Related Protein: cMyc-Max", <u>J. Am. Chem. Soc.</u> 117: 2998-3007 (1995)
JR	3	Canne, et al., "A General Method for the Synthesis of Thioester Resin Linkers for Use in the Solid Phase Synthesis of Peptide- $\alpha$ -Thioacids", <u>Tetrahedron Letters</u> 36 (8): 1217-1220 (1995)
JR	4	Clark-Lewis, et al., "Chemical Synthesis, Purification, and Characterization of Two Inflammatory Proteins, Neutrophil Activating Peptide 1 (Interleukin-8) and Neutrophil Activating Peptide 2", <u>Biochemistry</u> 30: 3128-3135 (1991)
JR	5	Clark-Lewis, et al., "Structural Requirements for Interleukin-8 Function Identified by Design of Analogs and CXC Chemokine Hybrids", <u>The Journal of Biological Chemistry</u> 269 (23): 16075-16081 (1994)
JR	6	D'Andrea, et al., "A Mutation of the Common Receptor Subunit for Interleukin-3 (IL-3), Granulocyte-Macrophage Colony-Stimulating Factor, and IL-5 That Leads to Ligand Independence and Tumorigenicity", <u>Blood</u> 83 (10): 2802-2808 (1994)
JR	7	Dawson, et al., "Synthesis of Proteins by Native Chemical Ligation", <u>Science</u> 266: 776-779 (1994)
JR	8	Yamashiro, et al., "New segment synthesis of $\alpha$ -inhibin-92 by the acyl disulfide method", <u>Int. J. Peptide Protein Res.</u> 31: 322-334 (1988)
JR	9	Schnölzer, et al., "In situ neutralization in Boc-chemistry solid phase peptide synthesis", <u>Int. J. Peptide Res.</u> 40: 180-193 (1992)
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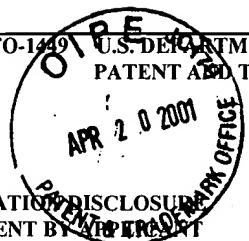
EXAMINER

Jeffrey E. Russell

DATE CONSIDERED

December 19, 2001

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



**U. S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE**

**ATTY DOCKET NO.**

**SERIAL NO.**  
**09/710-633**

**INFORMATION DISCLOSURE  
STATEMENT BY APPRAISAL**

**APPLICANT**

KENT, ET AL.

**FILING DATE**  
**11/18/2000**

**GROUP**  
~~unassigned~~  
165-3

**U.S. PATENT DOCUMENTS**

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
JJR	1	4,910,222	3/20/1990	Puricelli	514	513	

## FOREIGN PATENT DOCUMENTS

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)**

<i>JLR</i>	2	Wieland, et al., "Synthesen einiger $\beta$ -Indolacetylaminosäuren und peptide", <u>Liebigs. Ann. Chem.</u> 591: 192-199 (1955)
<i>JLR</i>	3	Offord, "Chemical Approaches to Protein Engineering" in " <u>Protein Design and the Development of New Therapeutics and Vaccines</u> ", Hooke, J. B.; Poste, G., Eds.: Plenum Press, 1990, pp. 253-282.
<i>JLR</i>	4	Abrahmsén, et al., "Engineering Subtilisin and Its Substrates for Efficient Ligation of Peptide Bonds in Aqueous Solution", <u>Biochemistry</u> 30: 4151-4159 (1991)
<i>JLR</i>	5	Schnölzer, et al., "Constructing Proteins by Dovetailing Unprotected Synthetic Peptides: Backbone-Engineered HIV Protease", <u>Science</u> 256: 221-225 (1992)
<i>JLR</i>	6	Muir, et al., "The chemical synthesis of proteins", <u>Curr. Opin. Biotech.</u> 4: 420-427 (1993)
<i>JLR</i>	7	Chang, et al., "Subtiligase: A tool for semisynthesis of proteins", <u>Proc. Natl. Acad. Sci. USA</u> 91: 12544-12548 (1994)
<i>JLR</i>	8	Tam, et al., "Peptide synthesis using unprotected peptides through orthogonal coupling methods", <u>Proc. Natl. Acad. Sci. USA</u> 92: 12485-12489 (1995)
<i>JLR</i>	9	Canne, et al., "Extending the Applicability of Native Chemical Ligation", <u>J. Am. Chem. Soc.</u> 118: 5891-5896 (1996)

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December 19, 2001